## Contents

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- NCTM Content Standards Assessment Rubric ..... 6
- How Is Our Resource Organized? ..... 7
- The NCTM Principles \& Standards ..... 8
- STUDENT HANDOUTSAlgebra - Task Sheets- Exercises - Teach the SkillsTask Sheet 19
Task Sheet 2 ..... 10
Task Sheet 3 ..... 11
Task Sheet 4 ..... 12
Task Sheet 5 ..... 13
Task Sheet 6 ..... 14
Task Sheet 7 ..... 15
Task Sheet 8 ..... 16
Task Sheet 9 ..... 17
Task Sheet 10 ..... 18
Task Sheet 11 ..... 19
Task Sheet 12 ..... 20
Task Sheet 13 ..... 21
Task Sheet 14 ..... 22
Task Sheet 15 ..... 23
- Drill Sheets ..... 24
- Review ..... 26


## 6 BONUS Activity Pages! Additional worksheets for your students

- Go to our website: www.classroomcompletepress.com/bonus
- Enter item CC3113
- Enter pass code CC3113D for Activity Pages.



## Contents

0 STUDENT HANDOUTS
Algebra - Drill Sheets- Exercises - Practice the Skills LearnedWarm-Up Drill 129
Timed Drill 1 (3 minutes) ..... 30
Timed Drill 2 (4 minutes) ..... 31
Warm-Up Drill 2 ..... 32
Timed Drill 3 (3 minutes) ..... 33
Timed Drill 4 (4 minutes) ..... 34
Warm-Up Drill 3 ..... 35
Timed Drill 5 ( 7 minutes) ..... 36
Timed Drill 6 ( 5 minutes) ..... 37
Warm-Up Drill 4 ..... 38
Timed Drill 7 (4 minutes) ..... 39
Timed Drill 8 ( 5 minutes) ..... 40
Warm-Up Drill 5 ..... 41
Timed Drill 9 (4 minutes) ..... 42
Warm-Up Drill 6 ..... 43
Timed Drill 10 (4 minutes) ..... 44
Timed Drill 11 (5 minutes) ..... 45

- Review ..... 46
EZ EASY MARKING ${ }^{\text {TM }}$ ANSWER KEY ..... 49
MINI POSTERS ..... 55
6 BONUS Activity Pages! Additional worksheets for your students


c) After all of Denise's hard work in establishing the best price for her ad, she finally goes with a third option. A small local newspaper publishes only three times per week and informs Denise she can run it for three days at an initial cost of $\$ \mathbf{1 2}$ and a daily rate of $\$ 5$. Which formula represents the cost to Denise?
i) $\mathrm{C}=12+5+$
+ ii) $C=5+12 d$
iii) $C=12+5 d$
iv) $3 C=12+3 d$
d) Denise is alittle concerned with the amount of profit she will make from selling her bike, Using your results in $c$ ) to determine the cost of advertising, calculate her profit if she sells the bike for $\mathbf{\$ 8 7 . 5 0}$.


Answer:
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管象 Timed Drill Sheet + 1
NAME:

## 2a) Solve these equations:

Ex: $2-(-x)=5 \quad x=5-2 x=3$
$\begin{array}{ll}\text { i) }-14-(-a)=10 & \text { ii) } 10+g=24\end{array}$
iii) $\dagger+3.5=2.5-2.5 \quad$ iv) $15 x+4+3 x-1=21$

b) Write an algebraic expression for each phrase:
i) Forty-four times a number $\qquad$ ii) A number decreased by ten
iii) A number added to thirty $\qquad$ iv) Sixty more than a number $\qquad$
c) Evaluate each algebraic expression with the given values.

d) Solve each equation for the variable given. Ex: $5 \mathrm{x}=60 \quad 60 \div 5=12 \quad \mathrm{x}=12$


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NAME:
Task Sheet 5
5) Graph each letter on the accompanying number line
a) $4>x>-2$

d) On the number line below, graph the solution to $x . \quad x+4=\mathbf{- 2}$

e) On the number line below
graph the solution to $x . \quad-(-2)+x+5=7$
ph the solution to $x . \quad-(-2)+x+5=7$

Compare the answers given when you enter $25-5 \times 3$ On a scientific calculator = On a basic calculator =


13

NAME:
Ed Warm-Up Drill Sheed

7a) Graph the solution to $x$ on the number line. $x+5=-2$

> | $-9-8-7-6-5-4-3-2-1$ | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

b) Solve each equation for the variable given.
i) $9 a+12=39$
ii) $-4 b-9=-45$
iii) $7 c \div 5=14$

c) The following pattern increases by the following rule: multiply the previous term by 4 and add 11.

What is the missing term in the sequence? Answer: $\qquad$
d) Solve each equation.
i) $\sqrt{x}=10$
$\sqrt{x}=9$
e) Solve each proportion
i) $10 \div 8=x \div 10$
ii) $6 \div 4=x \div 3$
iii) $5 \div 3=x \div 6$
iv) $3 \div 5=x \div 8$
v) $2 \div 4=x \div 5$
vi) $9 \div 10=x \div 4$
f) Simplify each expression.
Ex: $\frac{10 x^{2}}{8 x}=\frac{10 x^{2} \div 2}{8 x \div 2}=\quad \frac{5 x}{4}$
i) $\frac{-30 x^{2}}{42 x^{2}}=$
ii) $\frac{12 y^{2}}{12 y^{3}}=$
iii) $\frac{12 z^{2}}{28 z}=$
iv) $\frac{36 a^{2}}{20 a}=$
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(35)

## Drill Sheet 1

a) If $\mathbf{x}=\mathbf{3}$ and $\mathbf{y}=\mathbf{4}$, which expression below has the largest value?
i) $x y^{2}$
ii) $x^{2} y$
iii) $x^{2}+y^{2}$
b) Jane and Letitia are having a number of flyers printed advertising their upcoming yard sale. The cost of printing is represented by the formula $\mathbf{C}=$ $\mathbf{2 5 + 0 . 0 5 f}$ ( $\mathrm{f}=\mathrm{flyers}$ ). The number of flyers they can afford to print is limited by their budget, so they gave the printer the following chart. Fill in the chart using the above formula.

c) Which number completes this patiern?
$7,13,10,16,13,19$,
Answer:
d) Simplify the following expression and choose the correct answer.
$\left(x^{2}+3 x+2\right)+x(2-x)$
i) $x+2$
iii) $5 x+2$
iv) $2 x^{2}+5 x+2$
e) On a trip to the amusement park, Fred spends most of the day on the roller coaster rides. Each ride costs $\mathbf{\$ 5}$. In addition to the cost of each ride, Fred pays $\$ 12$ to enter the park itself. Which equation below represents the amount of money Fred will spend to go on $x$ rides? ( $C=$ total cost)
i) $C=5 x-12$
ii) $C=5 x+12$
iii) $C=12 x-5$
iv) $C=12 x+5$
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(24)

Algebra - Task \& Drill Sheets Cc3313

(2)Review Sheet

NAME:

## Review C

a) Graph the solution to $x$ on the number line. $x+7=-1$

## 

b) Solve each equation.
i) $\sqrt{x}=8$
ii) $\sqrt{x}=11$
c) Evaluate each algebraic expression with the given
i) $10 a+b$; where $a=7$, and $b=8$
ii) $7 x+2 y$; where $x=-3$, and $y=11$
d) Solve:
i) $-3.3+d=12$
iv) $-32=-6 x-2 x$
ii) $7-(-x)=19$
iii) $72+\mathrm{C}=99-19$
vi) $4 x-2 x=-22+3 x$
v) $88=6-7 x+12$
vii) $x+11=-6 x+18$
e) Simplify the following expressions.
i) $3\left(3 x^{2}-4 x+6\right)+3 x(2 x-8)$
ii) $x\left(-2 x^{2}-5 x+9\right)+4 x(x-10)$
iii) $7\left(2 x^{2}-5 x+8\right)-3 x(17 x-2)$
iv) $-3 x(6 x+8 x+23)+6 x(3 x-2)$
f) What is the missing term in these patterns?
i) $13,24,35,40, \frac{\square}{\square}$
ii) $-9,-30$, $\qquad$ $-72,-93$
g) Write as a scientific or standard notation.
i) $76800=\square$
ii) $9.14 \times 10^{5}=$

## Graphing, Values, Patterning, Algebraic Expressions, Quotients

a) Graph the following on the accompanying number line:

b) Find the value of $y \mathrm{x}$ ___ if:

d) Write an algebraic expression for each phrase:

ii) A number decreased by
e) Complete the following patterns:

f) Find each Quotient.
i) $6 \div-=$
ii)
iii) $\_\div \div=-$

NAME:


b) What is the missing term in these patterns?
i) $12,24,48,96$ $\qquad$
ii) $1024,512,256$, $\qquad$ , 64
c) Simplify the following expressions.
i) $2\left(2 x^{2}-4 x+3\right)+2 x(3 x-7)$
ii) $\left(-x^{2}-3 x+6\right)+3 x(2 x+13)$
iii) $5\left(3 x^{2}-2 x+1\right)-4 x(2 x-9)$
iv) $-x(2 x+4 x+3)+2 x(2 x-4)$

EASY MARKING
iii) $4.6 \times 1=x$
iv) $y+2=5.3$
v) $x+3 / 5=4 / 5$
vi) $y \times 1 / 7=5 / 7$

## e) Solve each proportion.

i) $7 \div 10=x \div 4$
ii) $3 \div 5=x \div 12$
iii) $2 \div 4=x \div 5$
iv) $2 \div 3=x \div 15$
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