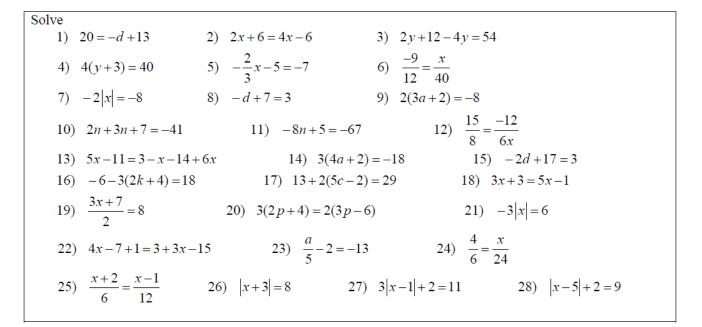
Geometry Readiness Practice 2 ... Solving Equations

Unit B: Solving Equations

Be able to:

- Solve equations using the following steps:
 - eliminate fractions (by multiplying both sides of the equation by the LCD of all terms)
 - eliminate parentheses
 - add like terms on each side
 - eliminate the variable from either side
 - eliminate the constant from the side with the variable
 - eliminate the coefficient
- Recognize solutions that are all real numbers or no solution
- Solve proportions by cross-multiplying
- Solve a formula for a specified variable (solve a literal equation)
- · Solve absolute value equations by writing and solving two equations



Geometry Readiness Practice 2 ... Solving Equations

Answers

ANSWERS for Unit B			
1) $d = -7$	8) $d = 4$	15) $d = 7$	22) $x = -6$
2) $x = 6$	9) $a = -2$	16) $k = -6$	23) <i>a</i> = -55
3) $y = -21$	10) $n = -\frac{48}{5}$	17) $c = 2$	24) $x = 16$
(4) $y = 7$	11) $n = 9$	18) $x = \frac{4}{3}$	25) $x = -5$
5) $x = 3$	12) $x = 30$	19) $x = 3$	26) $x = 5$ and -11
6) $x = -30$	13) $0 = 0$, all real #s	20) no solution	27) $x = 4$ and -2
7) $x = 4$ and -4	14) $a = -2$	21) no solution	28) $x = 12$ and -2