

Section 11.2 Extra Practice

1. Use mental math to solve each equation.

Example: $23 = 19 + a$

Think: What do I add to 19 to get 23?

$a = \underline{4}$

a) $x + 6 = 11$

Think: What do I add to _____ to get _____?

$x = \underline{\hspace{2cm}}$

b) $y - 7 = 10$

Think: What do I subtract 7 from to get _____?

$y = \underline{\hspace{2cm}}$

c) $12 = w + 3$

Think: What do I _____ to _____ to get _____?

$w = \underline{\hspace{2cm}}$

d) $18 = t - 3$

Think: What do I _____ 3 from to get _____?

$t = \underline{\hspace{2cm}}$

2. State the amount you need to add or subtract from each side of the equation to solve it.

Example: $16 = x - 24$ Add 24 to each side.

a) $a + 6 = 16$ _____

b) $w - 7 = 14$ _____

c) $9 = b - 16$ _____

d) $31 = r + 8$ _____

3. Copy and solve each equation using the opposite operation. Show your work.

Example: $19 = k - 7$

$19 + 7 = k - 7 + 7$

$26 = k$

a) $x - 3 = 15$

b) $y - 7 = 20$

c) $19 = 12 + b$

d) $23 = 6 + c$

e) $25 = d - 8$