

Assignment

Date _____ Period _____

Evaluate each expression.

1) $(-7) - (6 - 8 + 9)$

2) $1 - ((4)(-1) + 2)$

3) $(-8) - (-10) - \left(\frac{-24}{-6}\right)$

4) $\left(\left(\frac{12}{-6}\right)(-6)\right)(-5)$

5) $\frac{20}{(-7) + 5} - 7$

6) $4 - (-8) - (-3)^2$

7) $(4)((-4) - 3) - 5$

8) $\frac{12}{(2)(6) - 10}$

9) $\frac{19 + 9}{(-2) - 2}$

10) $(9)\left(-\frac{7}{(-5) + 4}\right)$

Solve each equation.

11) $5(-4x - 3) + 1 = 86$

12) $6(5 + 8x) + 5 = -253$

13) $131 = -3(4 - 8b) - 1$

14) $-84 = 2(6n + 6)$

15) $248 = -8(-6 + 5n)$

16) $28 - 8n = -2(n + 7)$

17) $-5(b - 3) = 15 + 2b$

18) $8 + 6k = -7(6k - 8)$

19) $-8v - 4 = 4(-3v - 8)$

20) $-4(-1 + 2m) = 8m + 36$

Assignment

Evaluate each expression.

1) $(-7) - (6 - 8 + 9)$

$$\boxed{-14}$$

2) $1 - ((4)(-1) + 2)$

$$\boxed{3}$$

3) $(-8) - (-10) - \left(\frac{-24}{-6}\right)$

$$\boxed{-2}$$

4) $\left(\left(\frac{12}{-6}\right)(-6)\right)(-5)$

$$\boxed{-60}$$

5) $\frac{20}{(-7) + 5} - 7$

$$\boxed{-17}$$

6) $4 - (-8) - (-3)^2$

$$\boxed{3}$$

7) $(4)((-4) - 3) - 5$

$$\boxed{-33}$$

8) $\frac{12}{(2)(6) - 10}$

$$\boxed{6}$$

9) $\frac{19 + 9}{(-2) - 2}$

$$\boxed{-7}$$

10) $(9)\left(-\frac{7}{(-5) + 4}\right)$

$$\boxed{63}$$

Solve each equation.

11) $5(-4x - 3) + 1 = 86$

$x = -5$

① Distribute

② Combine like terms

③ Inverse operations

④ Divide by coefficient
with variable

12) $6(5 + 8x) + 5 = -253$

$x = -6$

13) $131 = -3(4 - 8b) - 1$

$x = 6$

14) $-84 = 2(6n + 6)$

$n = -9$

15) $248 = -8(-6 + 5n)$

$n = -5$

16) $28 - 8n = -2(n + 7)$

$n = 7$

17) $-5(b - 3) = 15 + 2b$

$b = 0$

18) $8 + 6k = -7(6k - 8)$

$k = 1$

19) $-8v - 4 = 4(-3v - 8)$

$v = -7$

20) $-4(-1 + 2m) = 8m + 36$

$m = -2$