

Basic Worksheet for 82 – 83

EXAMPLE 1.

$$6x = -30$$

$$\frac{6x}{6} = \frac{-30}{6}$$

$$x = -5$$

$$\text{Check: } (6)(-5) = -30$$

↓
Divide by 6

↓
Simplify

EXAMPLE 2.

$$12 = \frac{y}{-3}$$

$$(-3)(12) = \left(\frac{y}{-3}\right)(-3)$$

$$-36 = y$$

$$\text{Check: } 12 = \frac{-36}{-3}$$

↓
Multiply by -3

↓
Simplify

Solve and check.

1. $-4y = 32$

2. $\frac{a}{3} = -9$

3. $-120 = 10a$

4. $8t = -88$

5. $\frac{x}{-6} = -11$

6. $84 = -12c$

7. $\frac{y}{8} = 0$

8. $5s = -65$

9. $-9 = \frac{x}{7}$

10. $-121 = -11d$

11. $-15 = \frac{n}{8}$

12. $\frac{b}{-11} = 10$

13. $16 = \frac{k}{10}$

14. $-6r = -96$

15. $-20 = -\frac{q}{5}$

16. $-144 = 16g$

17. $5 = \frac{c}{-15}$

18. $12w = -156$