Name: _____ Date: _____

BLM 11–7

Section 11.3 Extra Practice

1. State the number that each side needs to be divided by to solve the equation.

Example: $8a = 96$ Divide by 8.

a) $4w = 24$ _____ **b)** $3b = 18$ _____

c) $5y = 35$ _____ **d)** $10n = 150$ _____

e) $144 = 12d$ _____ **f)** $48 = 16x$ _____

2. Copy and solve the equations. Check your answer.

Example: $13s = 39$ Check:

$13s \div 13 = 39 \div 13$ Left Side $= 13(3) = 39$ Right Side $= 39$

$s = 3$ Left Side = Right Side

a) $5x = 25$

b) $6y = 42$

3. State the number that each side needs to be multiplied by to solve the equation.

Example: $\frac{a}{7} = 4$ Multiply by 7.

a) $\frac{x}{3} = 9$ _____ **b)** $\frac{m}{5} = 6$ _____

c) $\frac{m}{10} = 2$ _____ **d)** $9 = \frac{b}{7}$ _____

e) $7 = \frac{r}{11}$ _____ **f)** $12 = \frac{a}{2}$ _____

4. Copy and solve the equations. Check your answer.

Example: $\frac{r}{12} = 4$ Check:

$12 \times \frac{r}{12} = 4 \times 12$ Left Side $= \frac{48}{12} = 4$ Right Side $= 4$

$r = 48$ Left Side = Right Side

a) $\frac{w}{5} = 3$

b) $\frac{t}{8} = 3$