

Name: _____

Date: _____

BLM 2.GR.1

Practice: Get Ready

Solving Proportions

1. Solve each proportion.

a) $\frac{1}{2} = \frac{x}{20}$

b) $\frac{x}{4} = \frac{4}{8}$

c) $\frac{3}{x} = \frac{9}{12}$

d) $\frac{5}{8} = \frac{45}{x}$

e) $\frac{x}{5} = \frac{12}{10}$

f) $\frac{7}{x} = \frac{42}{36}$

2. Solve for x .

a) $\frac{x}{15} = \frac{24}{40}$

b) $\frac{14}{x} = \frac{10}{15}$

c) $\frac{5}{6} = \frac{x}{30}$

d) $\frac{x}{25} = \frac{8}{10}$

e) $\frac{18}{21} = \frac{x}{49}$

f) $\frac{18}{24} = \frac{6}{x}$

Rounding

3. Round to the nearest degree.

a) 42.44°

b) 66.91°

c) 72.63°

d) 32.42°

e) 99.19°

f) 59.82°

4. Round to one decimal place.

a) 7.234

b) 8.078

c) 10.091

d) 99.902

e) 0.679

f) 0.129

5. Round to two decimal places.

a) 88.888

b) 70.1629

c) 0.0728

d) 29.154

e) 45.0561

f) 0.0732

Squares and Square Roots

6. Calculate each square.

a) 15^2

b) 20^2

c) 35^2

d) 100^2

e) 18^2

f) 25^2

7. Find each square root to two decimal places.

a) $\sqrt{8}$

b) $\sqrt{15}$

c) $\sqrt{99}$

d) $\sqrt{120}$

e) $\sqrt{265}$

f) $\sqrt{180}$

8. Evaluate.

a) $5^2 + 6^2$

b) $8^2 + 10^2$

c) $11^2 + 12^2$

d) $9^2 - 3^2$

e) $7^2 - 2^2$

f) $4^2 + 13^2$