

Date \_\_\_\_\_

Foundations Math 11

# Chapter 1: Remember this?

Prime Numbers \_\_\_\_\_

Multiples \_\_\_\_\_

Factors \_\_\_\_\_

Perfect Squares \_\_\_\_\_

Consecutive Numbers \_\_\_\_\_

Supplementary Angles

Vertically Opposite Angles

Complimentary Angles

Number Classifications:

|                                                                                                                                               |                                                                                          |                                              |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------|--|--|
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|                                                                                                                                               |                                                                                          |                                              |  |  |

1. Evaluate:

a)  $7^2$

b)  $(-3)^4$

c)  $\left(\frac{1}{2}\right)^3$

d)  $\left(-\frac{2}{3}\right)^3$

e)  $-12^0$

2. Evaluate:

a)  $\sqrt{64}$

b)  $\sqrt[3]{64}$

c)  $\sqrt[4]{-16}$

d)  $\sqrt{\frac{9}{25}}$

e)  $\sqrt[3]{-27}$

3. Simplify.

a)  $4(x - 5)$

b)  $(-3x)(2x + 1)$

c)  $(x - 3)(x + 7)$

d)  $(2x - 5)(2x + 5)$

4. Evaluate each expression in #3 if  $x = -4$ .

5. Factor

a)  $2x^2 - 8x$

b)  $x^2 - 81$

c)  $x^2 - 5x - 24$

d)  $x^2 + 8x + 12$

e)  $3x^2 - 5x - 2$

f)  $9x^2 + 100$