## Proportional or Not?

7<sup>th</sup> Grade Math

Distinguish if the examples represent proportional relationships? Explain why.

1) 
$$\frac{10}{4} = \frac{50}{20}$$

2) 
$$\frac{9}{2} = \frac{14}{3}$$

3) 
$$\frac{5}{32} = \frac{3}{20}$$

2) 
$$\frac{9}{2} = \frac{14}{3}$$
 3)  $\frac{5}{32} = \frac{3}{20}$  4)  $\frac{5}{30} = \frac{2}{12}$ 

5) 
$$\frac{9}{6} = \frac{12}{8}$$

6) 
$$\frac{1}{9} = \frac{8}{30}$$

5) 
$$\frac{9}{6} = \frac{12}{8}$$
 6)  $\frac{1}{9} = \frac{8}{30}$  7)  $\frac{14}{6} = \frac{7}{3}$  8)  $\frac{11}{5} = \frac{9}{4}$ 

3) 
$$\frac{11}{5} = \frac{9}{4}$$

9) At a hot air balloon festival in Albuquerque, New Mexico a balloon takes off and rises 100 ft per minute.

When Bill first dug his pond, he put 5 fish in it. Since then the population has tripled every 10) year.

11)	You go to the store and buy apples for \$3 per pound.
12)	A company called "Better Building Supplies" will deliver sand to any construction location. They charge \$25 for delivery and \$19 for each ton.
13)	A student is capable of earning a 100% on his math test, but his score gets cut in half for each 5 hours spent playing video games.
14)	Taylor and her mom have worked out a "pay system" for the grades she earns this semester on her report card. If Taylor gets 1 A on her report card, she will earn \$20. For every A after the first, the amount of money she receives doubles.