## Proportional or Not?

$\qquad$
$7^{\text {th }}$ 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) $\frac{5}{32}=\frac{3}{20}$
4) $\frac{5}{30}=\frac{2}{12}$
5) $\frac{9}{6}=\frac{12}{8}$
6) $\frac{1}{9}=\frac{8}{30}$
7) $\frac{14}{6}=\frac{7}{3}$
8) $\frac{11}{5}=\frac{9}{4}$
9) At a hot air balloon festival in Albuquerque, New Mexico a balloon takes off and rises 100 ft per minute.
10) When Bill first dug his pond, he put 5 fish in it. Since then the population has tripled every 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.
