Sections 8.1 \& 8.2 Quiz Review

Solve each equation.

$$
\begin{aligned}
& \text { 1.) } 1.3 c=-65 \\
& \div 1.3 \div 1.3 \\
& C=-65 \div 1.3 \\
& C=-50 \\
& C=\frac{50}{60} \\
& \frac{650}{00} \\
& \frac{65}{0}
\end{aligned}
$$

$$
\begin{aligned}
& \text { 2.) } \begin{array}{l}
-4.2=-7 m \\
\div-7 \quad \div-7
\end{array} \\
& \text { 2.) } \begin{array}{l}
-4.2=-7 m \\
\div-7 \quad \div-7
\end{array} \\
& \begin{array}{c}
-4.2 \div-7=m \\
m=0.6
\end{array} \\
& \begin{array}{c}
7 \sqrt{4!2} \\
\frac{-42}{8}
\end{array} \\
& \text { 3.) } 0.8 p=9.6 \\
& \div 0.9 \div 0.8 \\
& \begin{array}{c}
p=9.6 \div 0.8 \\
p=12 \\
12
\end{array} \\
& \text { (0.8. } 96 . \\
& \frac{-16}{8}
\end{aligned}
$$

Solve each equation.

$$
\begin{aligned}
& \text { 4.) } 0.6 h=1.8 \\
& \because 0.6 \stackrel{1}{\div 0.6} \\
& h=1.8 \div 0.6 \\
& h=3
\end{aligned}
$$

$006 \sqrt{1085}$ $\frac{-18}{8}$

$$
\begin{gathered}
\text { 5.) }-3.4=0.4 j \\
\div 0.4=0.4 \\
-3.4 \div 0.4=j \\
j=-8.5 \\
\hline \frac{8.5}{}
\end{gathered}
$$

$$
\begin{array}{r}
0 \sqrt[4]{3.4 .0} \\
\frac{-32^{2}}{2} 0 \\
\frac{-20}{9}
\end{array}
$$

$$
\begin{aligned}
& \frac{2}{6 \cdot \frac{1}{6} \cdot \frac{1}{12}}=12 \cdot \frac{12}{1} \\
& n=12.12 \\
& n=144
\end{aligned}
$$

Solve each equation.
7.) $18=-\frac{1}{\frac{-2}{1}}+\dagger \cdot \frac{-2}{1}$

$$
18 \cdot-2=t
$$

$$
-36=t
$$

$$
\begin{gathered}
\frac{(9)}{3} \cdot-\frac{3}{4} k=\frac{2}{3} \cdot \frac{4}{-3} \\
K=\frac{2}{3} \cdot \frac{4}{-3} \\
K=\frac{8}{-9}
\end{gathered}
$$

9.) $\frac{1}{25}=\frac{3}{5} m \cdot \frac{5}{3}$
$\frac{1}{5} \cdot \frac{1}{3}$
$m=\frac{1}{15}$
10.) A forest preserve rents canoes for $\$ 22.50$ per hour. Corey has $\$ 90$ to spend. Write and solve an equation to find how many hours he can rent a canoe
Let (C) be the hours he can rent the


Solve each equation.
11.) $4 \mathrm{p}+9=25$

12.) $17=7 x-4$
$+4+4$
$\frac{21}{7}=\frac{7 x}{7}$
$3=x$
13.) $\frac{1}{4} p \begin{aligned} & -6=-8 \\ & +6+6\end{aligned}$
$\frac{4}{1} \frac{1}{4} p=-2.4$


Solve each equation.
14. $\frac{1}{2} 9+6=4$
15.) $-7-8 d=17$
$\frac{2}{1} \cdot \frac{1}{2} g=-2 \cdot \frac{2}{1}$

$$
\begin{gathered}
\frac{-8 d}{-8}=\frac{24}{-8} \\
d=-3
\end{gathered}
$$

16.) $12-m=-7$
$\frac{7 m}{-1}=\frac{-19}{-1}$
$g=-2.2$
$g=-4$

Solve each equation.

19.) $5 m+4-7 m=10$

20.) $\frac{1}{3} p+6-\frac{2}{3} p=0$

$$
\begin{array}{r}
\frac{-1}{3} p+6=0 \\
-6-6
\end{array}
$$

$$
\frac{3}{-1} \cdot \frac{-1}{3} p=-6 \cdot \frac{3}{-1}
$$

$$
\begin{aligned}
& p=-6-3 \\
& p=18
\end{aligned}
$$

21.) Alex went to the movies with several friends. Student tickets cost $\$ 8.50$ each, and together they spent $\$ 25$ on snacks. The total amount paid was $\$ 59$ Write and solve an equation to find the number of people that went to the
movies.
Ret $m$ be the numberof people at the moves.

$$
\begin{aligned}
& 8.50 m+25=59 \\
&-25 \\
& \frac{8.5 m}{}=\frac{34}{8.5} \\
& m=4 \text { people }
\end{aligned}
$$

