


## WEDNESDAY



## THURSDAY

Use completing the square to change standard form to vertex form.

$$
y=x^{2}+8 x+2
$$

Decide if the functions are even, odd or neither.

$$
\begin{gathered}
y=3 x^{2}+5 \\
y=8 x+2
\end{gathered}
$$

Use completing the square to change standard form to vertex form.

$$
y=x^{2}-14 x+7
$$

Describe the transformations from $\mathrm{y}=\mathrm{x}^{2}$

$$
y=-5 x^{2}-6
$$

Decide if the functions are even, odd or neither.

$$
\begin{aligned}
& y=3 x^{5}+5 x \\
& y=8 x^{2}+2 x^{4}
\end{aligned}
$$

The area of a rectangle is 70 square inches. If one side is $(x+3)$ and the other side is $(x+6)$, what is the value of $x$ ?

Find the vertex and axis of symmetry for the equations below: a. $y=3 x^{2}-12 x+14$
b. $y=(x-9)^{2}$

Find the average rate of change over the interval $[0,4]$ for

$$
y=-4 x^{2}+3 x
$$

