Practice questions

Show your working. Try these without looking at the answers.

1. Find and classify the stationary point.

$$y = x^2 - 6x + 5$$

2. Find the maximum value and where it occurs.

$$y = 12x - x^2$$

3. Find both stationary points and classify them.

$$y = x^3 - 3x$$

4. State where the function is increasing.

$$y = x^2 - 4x$$