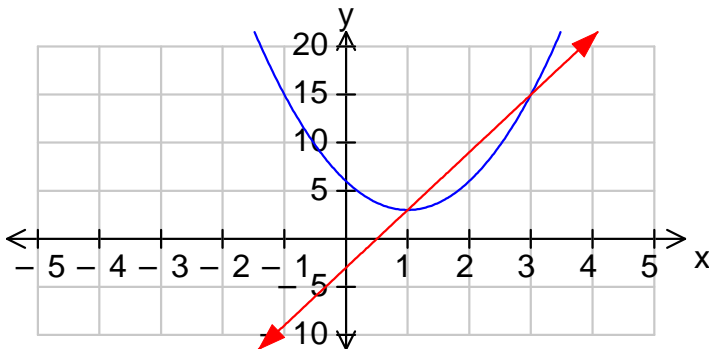


(C2-11.5a) Name:

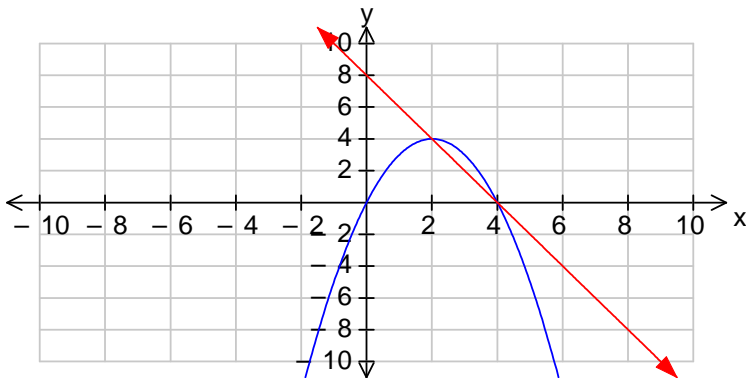
### Homework Questions 5 – Finding Area Between a Curve and a Line

1. Find the area enclosed between the curve  $y = 3x^2 - 6x + 6$  and the line  $y = 6x - 3$



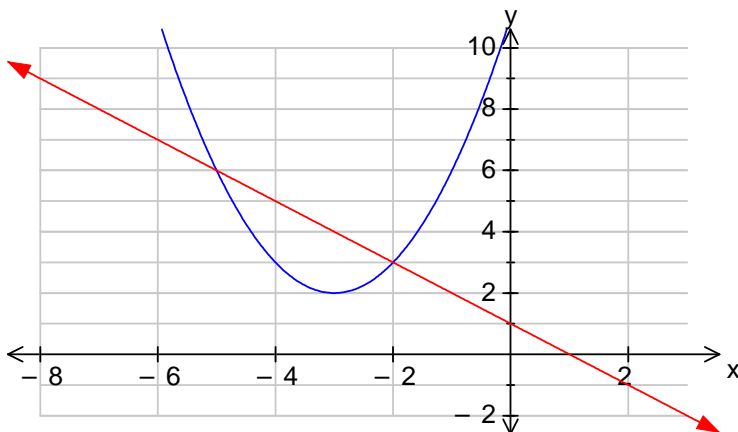
Area = 4

2. Find the area enclosed between the curve  $y = 4x - x^2$  and the line  $y + 2x = 8$



Area =  $1\frac{1}{3}$

3. Find the area enclosed between the curve  $y = (x + 3)^2 + 2$  and the line  $y = -x + 1$



Area = 4.5