

Name : _____

Score : _____

Teacher : _____

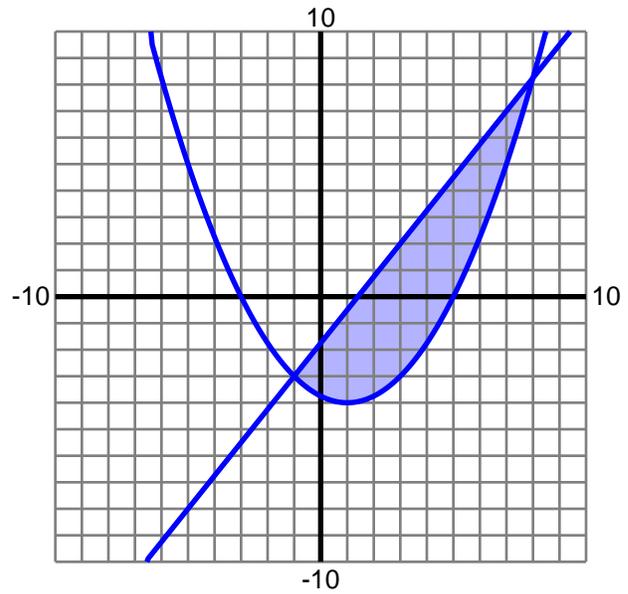
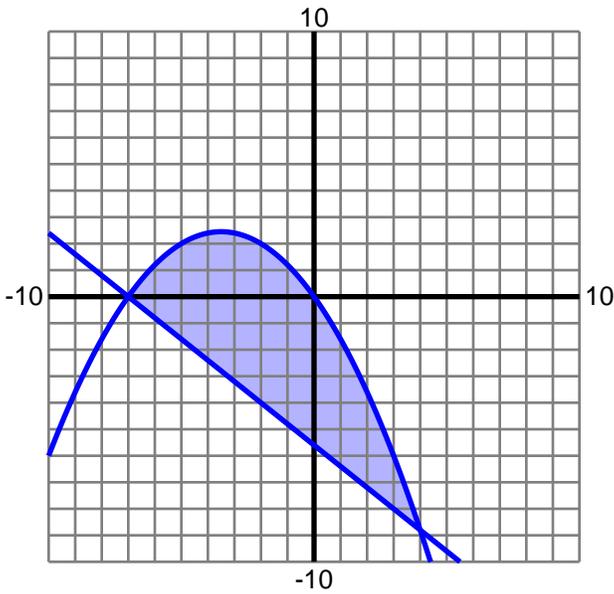
Date : _____

Area Under a Curve

Find the shaded area enclosed by the curves. Round to two decimals if necessary.

1) $y = -\frac{1}{5}x^2 - \frac{7}{5}x$
 $y = -\frac{4}{5}x - \frac{28}{5}$

2) $y = \frac{1}{4}x^2 - \frac{1}{2}x - \frac{15}{4}$
 $y = \frac{5}{4}x - \frac{7}{4}$



3) $y = -\frac{1}{4}x^2 + \frac{1}{4}x + \frac{3}{2}$
 $y = \frac{1}{2}x - 6$

4) $y = \frac{1}{12}x^3 - \frac{4}{3}x$
 $y = \frac{1}{12}x^2 - \frac{1}{3}x$

