

$\textcircled{37} \int_0^1 \frac{1}{1+x^4} dx$ $\textcircled{15} \frac{1}{b-a} \int_a^b f(x) dx$
 $0 \rightarrow 1$ $\frac{1}{2-(-4)} \int_{-4}^2$
 $1 \rightarrow \frac{1}{5}$ $\frac{1}{6} (9) = \frac{3}{2}$
 $\textcircled{50} \frac{1}{b-a} \left[\int_a^b f(x) dx \right] = 10$
 $\int_a^b f(x) dx = 10(b-a)$
 $10b - 10a$

Dec 11-10:10 AM

Ex5. Find the shaded area.

$y = 7$
 $y = x^2 - 4x - 5$
 $\int_{-1}^5 (x^2 - 4x - 5) dx = 36$
 $y = x^2 - 4x - 12$
 $\int_{-2}^6 (x^2 - 4x - 12) dx$

Nov 15-11:24 AM