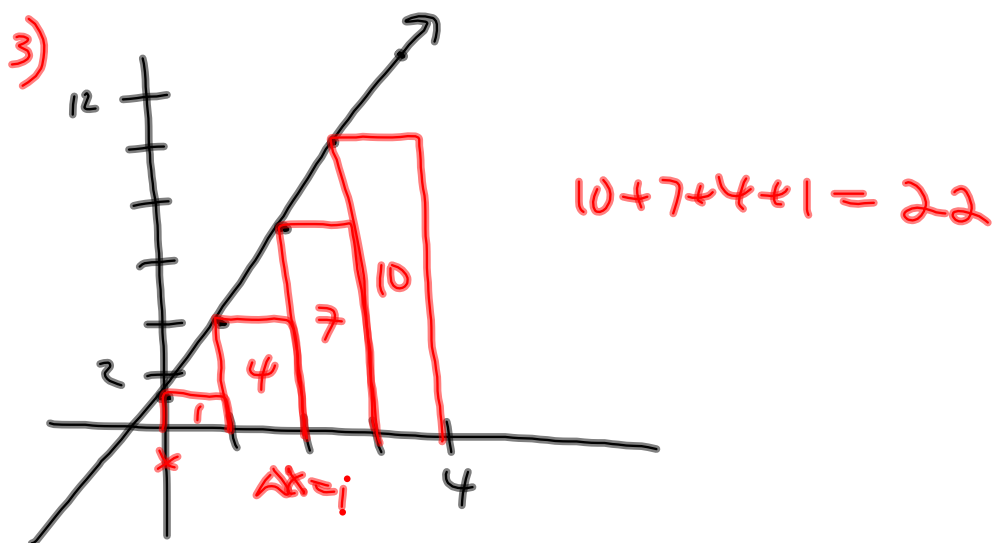
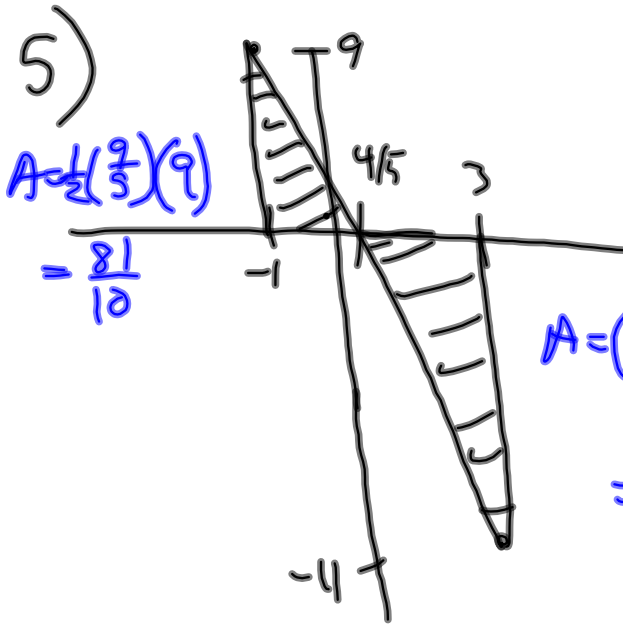
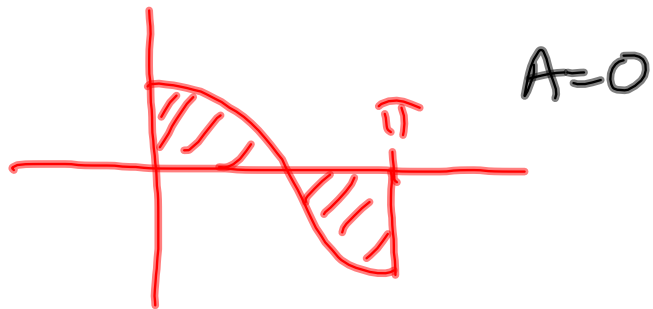


$$1) \sum_{n=1}^6 \sin n\pi = \sin \pi + \sin 2\pi + \dots + \sin 6\pi \\ = 0 + 0 + \dots + 0 = 0$$

$$2) \sum_{k=1}^{100} (2^{k+1} - 2k) = (\cancel{2^2} - \cancel{2^1}) + (\cancel{2^3} - \cancel{2^2}) + (\cancel{2^4} - \cancel{2^3}) + \dots + \\ = 2^{101} - 2 \quad / \quad (\cancel{2^{101}} - \cancel{2^{100}})$$



4) $\int_0^{\pi} \cos x \, dx$
 $= 0$



$A = \frac{1}{2} \left(\frac{9}{5} \right) (9)$
 $= \frac{81}{10}$

$A = \left(\frac{1}{2} \right) \left(\frac{11}{5} \right) (11)$
 $= \frac{121}{10}$

$y = 4 - 5x = 0$
 $5x = 4$
 $x = \frac{4}{5}$

$\int_{-1}^3 (4 - 5x) \, dx = -\frac{40}{10}$
 $= \textcircled{-4}$