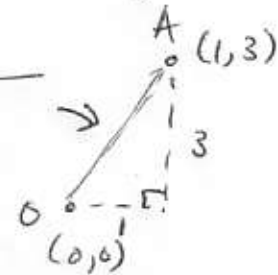
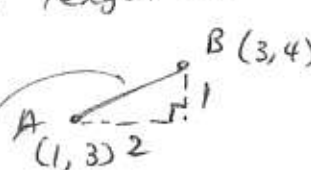
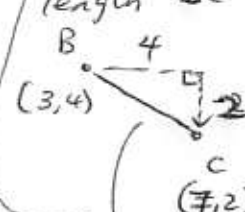



\overline{CD} slope = ϕ
 $y = \phi x + b$
 pt on line $\rightarrow (7, 2)$
 $2 = \phi x + b$
 $2 = b$

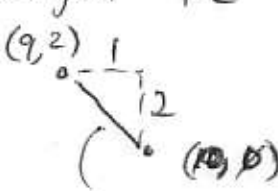
\overline{DE} $y = -2x + b$
 $(10, 0)$
 $0 = -2(10) + b$
 $20 = b$

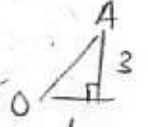
(49) length \overline{OA}

 $\sqrt{1^2 + 3^2}$
 $= \sqrt{10}$

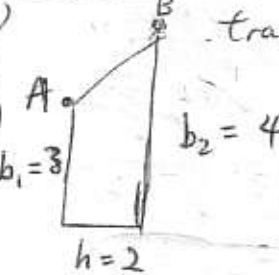
length \overline{AB}

 $\text{length} = \sqrt{2^2 + 1^2} = \sqrt{5}$

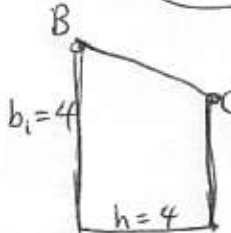
length \overline{BC}

 $\text{length} = \sqrt{2^2 + 4^2}$
 $= \sqrt{20} = 2\sqrt{5}$

length $\overline{CD} = 2$


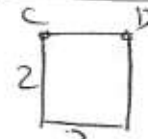
length \overline{DE}

 $\sqrt{2^2 + 1^2} = \sqrt{5}$

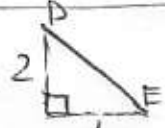
(50) Triangle

 $A = \frac{1}{2}bh$
 $A = \frac{1}{2}(1)(3)$
 $A = \frac{3}{2}u^2$

trapezoid

 $A = \frac{1}{2}(b_1 + b_2)h$
 $A = \frac{1}{2}(3 + 4)(2)$
 $A = 7u^2$


 $h = 7 - 3$
 $h = 4$

trapezoid
 $A = \frac{1}{2}(b_1 + b_2) \cdot h$
 $= \frac{1}{2}(4 + 2)(4)$
 $A = 12u^2$


 $A = 2 \cdot 2$
 $A = 4u^2$


 $A = \frac{1}{2}(2)(1)$
 $A = 1u^2$