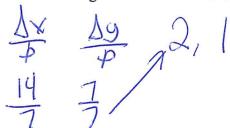
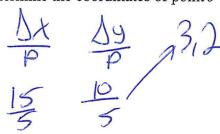
Partitions Practice

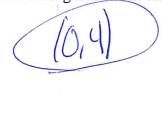
1. What are the coordinates of the point on the directed line segment from M(-8,1) to R(6,8) that partitions the segment into a ratio of 3 to 4?



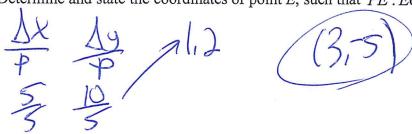


2. Directed line segment TX has endpoints whose coordinates are T(-6.8) and X(9,-2). Determine the coordinates of point J that divides the segment in the ratio 2 to 3.

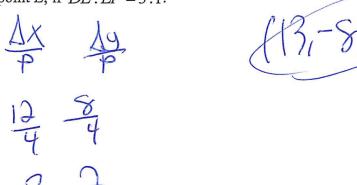


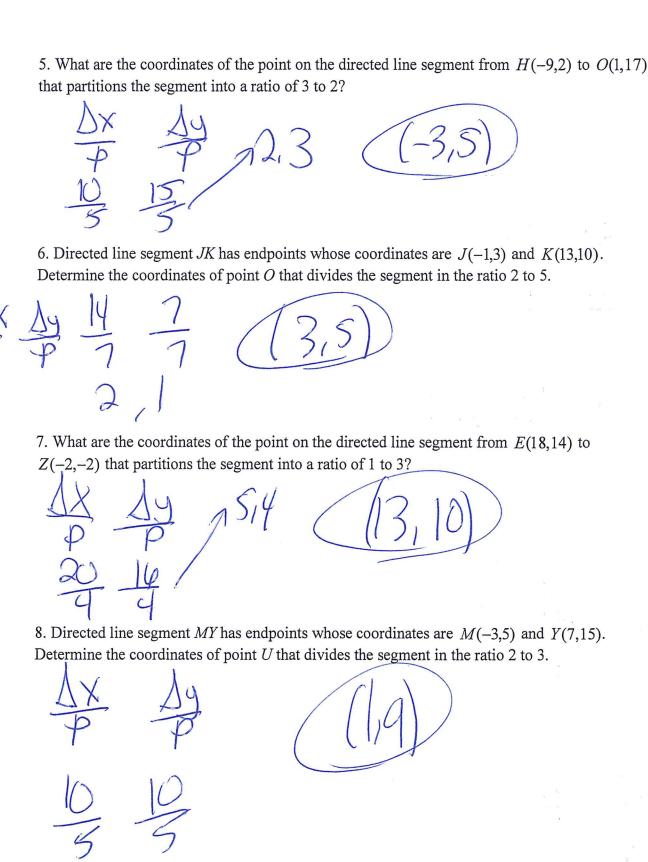


3. The coordinates of the endpoints of \overline{PO} are P(7,3) and O(2,-7). Point E is on \overline{PO} . Determine and state the coordinates of point E, such that $\overline{PE}:\overline{EO}$ is 4:1.



4. The endpoints of \overline{DEF} are D(4,-2) and F(16,-10). Determine and state the coordinates of point E, if $\overline{DE}:\overline{EF}=3:1$.





Scrap Graph Paper — This sheet will not be scored.

Scrap Graph Paper — This sheet will *not* be scored. E