

d. 0 e. undefined f. $\frac{5c}{a}$

2. $-\frac{3}{5}$

5. a. $\frac{1}{4}$

d. $\frac{1}{4}$

b. -4

c. $-\frac{7}{2}$

8. a. yes b. yes. c. opposite reciprocal slopes

9. a. slope of \overline{PT} is $\frac{1}{2}$

b. slope of \overline{TV} is $\frac{1}{2}$

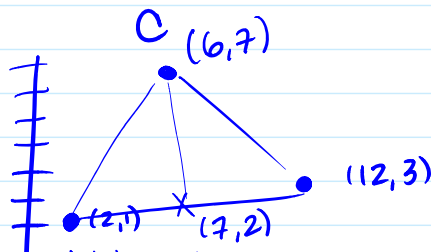
c. P, T, V are collinear

11. a. $\angle ECD$

b. $\angle CEB$

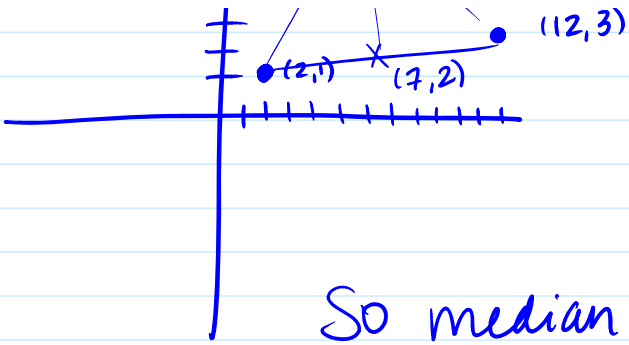
12. The midpoint should be at $(8, -1)$ NOT $(7, 0)$.

17.



$$m_{\overline{AB}} = \frac{2}{10} = \frac{1}{5}$$

which is the same
as the slope of the



which is the same
as the slope of the
midpt to B.

Also, opposite reciprocal
slope for altitude

So median = altitude,
NOT longer!