Exercise 16k.

1. $\tan \hat{A} = \frac{opp}{adj} = \frac{9}{10}$

$\hat{A} = \tan^{-1}\left(\frac{9}{10}\right)$

$= 41.98722125$

$= \underline{42.0^\circ}$

(3) $\tan \hat{A} = \frac{opp}{adj} = \frac{10}{7}$

$\hat{A} = \tan^{-1}\left(\frac{90}{7}\right)$

$= 55.0079$

$= \underline{55.0^\circ}$

(10) $\tan \hat{A} = \frac{opp}{adj} = \frac{4.2}{27}$

$\hat{A} = \tan^{-1}\left(\frac{4.2}{27}\right)$

$= 8.84181456$

$= \underline{8.8^\circ}$

(14) $\tan \hat{N} = \frac{opp}{adj} = \frac{5.4}{7.2}$

$\hat{N} = \tan^{-1}\left(\frac{5.4}{7.2}\right)$

$= 36.86989$

$= \underline{36.9^\circ}$

(18) $\tan \hat{A} = \frac{opp}{adj} = \frac{6.1}{10}$

$\hat{A} = \tan^{-1}\left(\frac{6.2}{10}\right)$

$= 31.798912$

$= \underline{31.8^\circ}$

(21) $\tan \hat{A} = \frac{opp}{adj} = \frac{16}{24}$

$\hat{A} = \tan^{-1}\left(\frac{16}{24}\right)$

$= 33.69006$

$= \underline{33.7^\circ}$

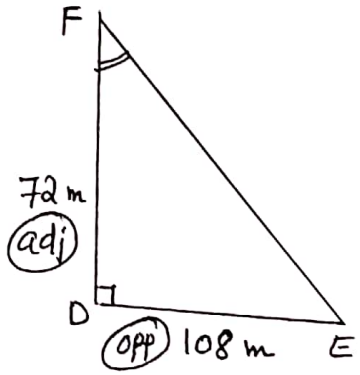
(23) $\tan \hat{A} = \frac{opp}{adj} = \frac{12}{15}$

$\hat{A} = \tan^{-1}\left(\frac{12}{15}\right)$

$= 38.65980$

$= \underline{38.7^\circ}$

(29)



$\tan \hat{F} = \frac{opp}{adj} = \frac{108}{72}$

$\hat{F} = \tan^{-1}\left(\frac{108}{72}\right)$

$= 56.309932$

$= \underline{56.3^\circ}$