6.4 CHECK ANSWERS

#4→ Same as #29-34

#5-7→ Use degrees instead of radians: $0° \le \theta < 360°$
NO calculator, sketch triangle in proper quadrant then label angle and sides to justify your solution.

#17-22→ Calculator OK, write equation and solve

#29-34→ NO calculator, sketch triangles in Quad I

#39-42→ Calculator OK, sketch diagrams

$\frac{3}{5}$ $\frac{3}{5}$ $\frac{\sqrt{5}}{2}$ $\frac{12}{5}$ $\frac{12}{13}$ $\frac{13}{5}$ $\frac{25}{24}$

0 0 60 90 90 180 135 315 315

19.08 21.25 25.38 27.27 34.70

34.85 36.87 38.66 68.20 72.54

$\theta = \tan^{-1}\frac{50}{5}$ $\theta = \tan^{-1}\frac{h}{2}$ $h = 2\tan\theta$