SOLUZIONI

1. (a) ipotenusa: BC b. adiacente: AC c. opposto: AB

   (b) ipotenusa: DF b. adiacente: DE c. opposto: EF

   (c) ipotenusa: GI b. adiacente: GH c. opposto: HI

   (d) ipotenusa: LK b. adiacente: LJ c. opposto: JK

   (e) ipotenusa: MO b. adiacente: MN c. opposto: NO

   (f) ipotenusa: PQ b. adiacente: RQ c. opposto: PR

2. (a) $\sin\theta = \frac{3}{5}$ $\cos\theta = \frac{4}{5}$ $\tan\theta = \frac{3}{4}$

   (b) $\sin\theta = \frac{5}{13}$ $\cos\theta = \frac{12}{13}$ $\tan\theta = \frac{5}{12}$

   (c) $\sin\theta = \frac{15}{17}$ $\cos\theta = \frac{8}{17}$ $\tan\theta = \frac{15}{8}$

   (d) $\sin\theta = \frac{2}{2.5} = \frac{4}{5}$ $\cos\theta = \frac{1.5}{2.5} = \frac{3}{5}$ $\tan\theta = \frac{2}{1.5} = \frac{4}{3}$

   (e) $\sin\theta = \frac{48}{50}$ $\cos\theta = \frac{14}{50}$ $\tan\theta = \frac{48}{14}$

   (f) $\sin\theta = \frac{3.5}{12.5} = \frac{7}{25}$ $\cos\theta = \frac{12}{12.5} = \frac{24}{25}$ $\tan\theta = \frac{3.5}{12} = \frac{7}{24}$

3. (a) 0.500 (b) 3.732 (c) 1.308 (d) 0.407 (e) 0.649
   (f) 1.000 (g) 0.754 (h) 1.000 (i) 0.707 (j) 0.669
   (k) 0.686 (l) 0.707

4.

(a) $60°$ (b) $90°$ (c) $24.2°$ (d) $55.2°$ (e) $48.6°$ (f) $23.1°$
(g) $45°$ (h) $30°$ (i) $63.4°$ (j) $82.0°$ (h) $15.1°$ (i) $79.2°$

5.

(a) $\cos\theta = \frac{z}{x}$ (b) $\sin\alpha = \frac{z}{x}$ (c) $\tan\theta = \frac{y}{z}$ (d) $\cos\alpha = \frac{y}{x}$

(e) $\sin\theta = \frac{y}{x}$ (f) $\tan\alpha = \frac{z}{y}$