1. Re-write each expression in terms of the angle θ between the limits $0^o < \theta < 90^o$.
   e.g $\sin 210^o = -\sin 30^o$

  (a) $\sin 150^o$ (b) $\cos 210^o$ (c) $\tan 350^o$

  (d) $\cos 310^o$ (e) $\sin 260^o$ (f) $\tan 143^o$

  (g) $\tan 315^o$ (h) $\cos 144^o$ (i) $\sin 288^o$

2. For each sine value of the angle θ given, write down the possible values of θ^o
   where $0^o < \theta < 360^o$. (answers to 1 d.p.)

  (a) 0.2453   (b) -0.3221   (c) 0.2893

  (d) -0.5502   (e) 0.7229   (f) -0.1978

3. For each cosine value of the angle θ given, write down the possible values of θ^o
   where $0^o < \theta < 360^o$. (answers to 1 d.p.)

  (a) -0.6687   (b) 0.9104   (c) -0.3977

  (d) 0.4381   (e) -0.1137   (f) 0.7711

4. For each tangent value of the angle θ given, write down the possible values of θ^o
   where $0^o < \theta < 360^o$. (answers to 1 d.p.)

  (a) 0.9133   (b) -1.6683   (c) 2.9005

  (d) -3.8433   (e) 1.7349   (f) -4.2155

1.

(a) sin 30°

(b) - cos 30°

(c) - tan 10°

(d) cos 50°

(e) - sin 80°

(f) - tan 37°

(g) - tan 45°

(h) - cos 36°

(i) - sin 72°

2.

(a) 14.2° , 165.8°

(b) 198.8° , 341.2°

(c) 16.8° , 163.2°

(d) 213.4° , 326.6°

(e) 46.3° , 133.7°

(f) 191.4° , 348.6°

3.

(a) 132.0° , 228.0°

(b) 24.4° , 335.6°

(c) 113.4° , 246.6°

(d) 64.0° , 296.0°

(e) 96.5° , 263.5°

(f) 39.5° , 320.5°

4.

(a) 42.4° , 222.4°

(b) 120.9° , 300.9°

(c) 71.0° , 251.0°

(d) 104.6° , 284.6°

(e) 60.0° , 240.0°

(f) 103.3° , 283.3°