

1. `socialSecurityStatus = (age > 65) ? "eligible" : "inelegible";`

2. a) f

b) 15

c) friendly
friendly face

3. a) `double A = Math.PI * Math.pow(r, 2);`

b) `double diag = Math.sqrt(Math.pow(len, 2) +
Math.pow(wid, 2));`

4. a) $3 * 5 / 9 \% 2 = 1$ type int

b) $4^3 \& 5 = 100 \wedge 11 \& 101 = 5$ type int

c) $13 \gg 2 \ll 2^4 = 1101 \gg 2 = 0011 \ll 2 = 1100$
 $1100 \wedge 100 = 1000 = 8$ type int

d) $32 \mid 16 \mid 3 \gg 2 \& 5 = 100000 \mid 10000 / 11 \gg 10 \&$
 $101 = 100001 = 33$ type int

5. `int a = (b = 5);`

Yes, $a = 5$ Because "=" (assignment)

associates to the right, is the same $a = b = c$