

Probability 2

There are **42** points possible  
Count each box below as 1 point

1a) See below	1b) $\frac{19}{30}$	1c) $\frac{7}{30}$	1d) $\frac{23}{30}$
2a) Yes b/c $P(E) \cdot P(B) = (0.4)(0.25) = 0.1 = P(E \cap B)$			
2b) 0.55	2c) 0.30	2d) 0.45	
3a) $\frac{3}{28}$	3b) $\frac{15}{28}$	3c) $\frac{10}{28} = \frac{5}{14}$	
4a) AB, AC, AD, BC, BD, CD	4b) $\frac{1}{6}$	4c) $\frac{5}{6}$	4d) $\frac{1}{2}$
5a) $\frac{1}{2}$	5b) $\frac{2}{5}$	5c) $\frac{7}{10}$	
6a) 0.63	6b) 0.06	6c) 0.05	7) $\frac{1}{360}$
8a) $\frac{1}{8}$	8b) $\frac{1}{8}$	8c) $\frac{7}{8}$	8d) $\frac{3}{8}$
9a) $\frac{1}{5}$	9b) $\frac{1}{10}$	9c) $\frac{2}{5}$	
10a) 0.524	10b) 0.407	10c) 0.119	
11a) 0.595	11b) 0.317	11c) 0.0397	11d) 0.317
12a) 0.00024	12b) 0.367	12c) 0.0506	
13a) 4368	13b) 1800	13c) 3312	
1a)			
<p>A Venn diagram with two overlapping ovals. The left oval is labeled 'Juniors' and contains the number 100. The right oval is labeled 'Females' and contains the number 40. The overlapping region between the two ovals contains the number 90. Below the intersection, the number 70 is written.</p>			