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| 平成30年度 第２学年３学期数学  学年末テスト解答用紙 | | | | | | | | | | | 番 | | | | | 氏　名 | | |  | | | | | |
| 知識・理解 | | | | | 技能 | | | | | | | 数学的な考え方 | | | | | | | | | 得点  /100 | | | |
| **１** | (1) | | | | | (2) | | | | | | | (3)の１ | | | | | | | | | | | |
| (3)の２ | | | | | | | | | | | | (4) | | | | | | | | | | | |
| **２** | ① | | ② | | | | | ③ | | | | | ④ | | | | | ⑤ | | | | | ⑥ | |
| ⑦ | | ⑧ | | | | | ⑨ | | | | | ⑩ | | | | | ⑪ | | | | |
| **３** | (1)  ｘ＝ | | | | | | | (2)  ｘ= | | | | | | | | | | (3)  ｘ＝ | | | | | | |
| **４** |  | | | | | | | | | | | | | | | | | | | | | | | |
| **５** | ア | イ | | | | | ウ | | | エ | | | | | オ | | | | | カ | | | | キ |
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| **６** |  | **７** | | (1) | | | | | (2) | | | | | | | | (3) | | | | | (4) | | |
| **８** | (1) | | | | | | | | | | | | | (2) | | | | | | | | | | |
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| 知識・理解  ／３７ | | | | | 技能  ／４２ | | | | | | | 数学的な考え方  ／２１ | | | | | | | | | 得点  /１００ | | | |
| **１**  各３点 | (1) | | | | | (2)　強気 | | | | | | | (3)の１  ２組の向かい合う辺が平行 | | | | | | | | | | | |
| (3)の２  １組の向かい合う辺が等しくて平行 | | | | | | | | | | | | (4)  ３つの辺が等しい三角形 | | | | | | | | | | | |
| **２**  各２点 | ①  シ | | ②  ク | | | | | ③  オ | | | | | ④  エ | | | | | ⑤  チ | | | | | ⑥  コ | |
| ⑦  キ | | ⑧  ウ | | | | | ⑨  ツ | | | | | ⑩  ヌ | | | | | ⑪  ハ | | | | |
| **３**  各４点 | (1)  ｘ＝２０° | | | | | | | (2)  ｘ=１２５° | | | | | | | | | | (3)  ｘ＝３５° | | | | | | |
| **４**  10点 | △ＡＢＥと△ＣＤＦにおいて　　　　　　　　　④、⑤より一組の向かい合う辺が等しくて平行なので  *□*ＡＢＣＤなので　ＡＢ＝ＣＤ・・・①　　　　　　　四角形ＡＥＣＦは平行四辺形  ＡＢ∥ＣＤなので錯角は等しく  ∠ＡＢＥ＝∠ＣＤＦ・・・②  ∠ＡＥＢ＝∠ＣＦＤ＝９０°・・・③  よって直角三角形の斜辺と一つの鋭角が等しい  ので　△ＡＢＥ≡△ＣＤＦ  合同な三角形の対応する辺は等しいので  ＡＥ＝ＦＣ・・・④  また、∠ＡＥＦ＝∠ＣＦＥ＝９０°より  錯角が等しいのでＡＥ∥ＦＣ・・・⑤ | | | | | | | | | | | | | | | | | | | | | | | |
| **５**  各２点 | ア  ＢＡＨ | イ  ＢＣＫ | | | | | ウ  ＢＨＡ | | | エ  ＢＫＣ | | | | | オ  ＡＢＨ | | | | | カ  ＣＢＫ | | | | キ  ＢＨ |
| ク  ＢＫ | ケ  一辺とその両端の角がそれぞれ等しい | | | | | | | | | | | | | | コ  ４つの辺が等しくなる | | | | | | | | |
| **６**  各３点 |  | **７** | | (1) 　 １２試合 | | | | | (2)　８１通り | | | | | | | | (3) | | | | | (4)　６ | | |
| **８**  各３点 | (1)　９通り | | | | | | | | | | | | | (2) | | | | | | | | | | |